WHAT IS CLAIMED IS:

1. A video reproduction apparatus for reproducing video data based on a video bit stream having a plurality of pictures and also having a picture type representing a type of encoding for each of the plurality of pictures, the apparatus comprising:

        a picture type detection section for, while a still picture is being reproduced, detecting a picture type of a picture, from among the plurality of pictures, corresponding to the still picture;

        a bit rate calculation section for, while the still picture is being reproduced, calculating a number of bits included in the picture corresponding to the still picture, and while a moving picture is being reproduced, calculating an average bit rate per predetermined time unit; and

        a video signal generation section for, while the still picture is being reproduced, generating a first bit rate video signal for displaying the picture type detected by the picture type detection section and the number of bits calculated by the bit rate calculation section, and while a moving picture is being reproduced, generating a second bit rate video signal for displaying the average bit rate calculated by the bit rate calculation section.

2. A video reproduction apparatus according to claim 1, further comprising:

        a video decoder for expanding the video bit steam to generate a video signal; and

        a video signal addition section for, while the still picture is being reproduced, adding the video signal generated by the video decoder and the first bit rate video

signal generated by the video signal generation section, and while the moving picture is being reproduced, adding the video signal generated by the video decoder and the second bit rate video signal generated by the video signal generation section.

3. A video reproduction apparatus according to claim 1, wherein the bit rate calculation section includes:

a picture start point detection section for detecting a picture start point which represents a start point of each of the plurality of pictures;

a bit number calculation section for, in response to the detection of the picture start point performed by the picture start point detection section, counting a number of bits included in each of the plurality of pictures;

a frame count section for counting a number of picture start points detected by the picture start point detection section to measure the prescribed time unit;

an addition section for, each time the picture start point detection section detects a picture start point, accumulatively adding the number of bits counted by the bit number calculation section, and outputting the resulting addition result as an average bit rate, while the predetermined time unit is measured; and

a switch section for selecting and outputting either the number of bits counted by the bit number calculation section or the average bit rate obtained by the addition section.

4. A video reproduction apparatus according to claim 1, wherein the bit rate calculation section includes:

a picture start point detection section for detecting a picture start point which represents a start

point of each of the plurality of pictures and a GOP start point;

a bit number calculation section for, in response to the detection of the picture start point performed by the picture start point detection section, counting a number of bits included in each of the plurality of pictures;

a frame count section for counting a number of GOP picture start points detected by the picture start point detection section to measure the prescribed time unit;

an addition section for, each time the picture start point detection section detects a picture start point, accumulatively adding the number of bits counted by the bit number calculation section, and outputting the resulting addition result as an average bit rate, while the predetermined time unit is measured; and

a switch section for selecting and outputting either the number of bits counted by the bit number calculation section or the average bit rate obtained by the addition section.

5. A video reproduction apparatus according to claim 1, wherein the bit rate calculation section includes:

a picture start point detection section for detecting a picture start point which represents a start point of each of the plurality of pictures and a GOP start point which represents a GOP start point;

a bit number calculation section for, in response to the detection of the picture start point performed by the picture start point detection section, counting a number of bits included in each of the plurality of pictures;

an addition section for, each time the picture start point detection section detects a picture start point, accumulatively adding the number of bits counted by the bit

number calculation section, and outputting the resulting
addition result as an average bit rate, until the GOP start
point is detected; and

   a switch section for selecting and outputting either
the number of bits counted by the bit number calculation
section or the average bit rate obtained by the addition
section.

6. A video reproduction apparatus according to claim 1,
wherein the bit rate calculation section includes:

   a picture start point detection section for
detecting a picture start point which represents a start
point of each of the plurality of pictures;

   a bit number calculation section for, in response
to the detection of the picture start point performed by
the picture start point detection section, counting a number
of bits included in each of the plurality of pictures;

   a timer for counting time to measure the
predetermined time unit;

   an addition section for, each time the picture start
point detection section detects a picture start point,
accumulatively adding the number of bits counted by the bit
number calculation section, and outputting the resulting
addition result as an average bit rate, while the
predetermined time unit is measured; and

   a switch section for selecting and outputting either
the number of bits counted by the bit number calculation
section or the average bit rate obtained by the addition
section.

7. A video reproduction method for reproducing video data
based on a video bit stream having a plurality of pictures
and also having a picture type representing a type of

encoding for each of the plurality of pictures, the method comprising:

a picture type detection step of, while a still picture is being reproduced, detecting a picture type of a picture, from among the plurality of pictures, corresponding to the still picture;

a bit rate calculation step of, while the still picture is being reproduced, calculating a number of bits included in the picture corresponding to the still picture, and while a moving picture is being reproduced, calculating an average bit rate per predetermined time unit; and

a video signal generation step of, while the still picture is being reproduced, generating a first bit rate video signal for displaying the picture type detected by the picture type detection step and the number of bits calculated by the bit rate calculation step, and while a moving picture is being reproduced, generating a second bit rate video signal for displaying the average bit rate calculated by the bit rate calculation step.

8. A video reproduction method according to claim 7, further comprising:

a video decoding step of expanding the video bit steam to generate a video signal; and

a video signal addition step of, while the still picture is being reproduced, adding the video signal generated by the video decoding step and the first bit rate video signal generated by the video signal generation step, and while the moving picture is being reproduced, adding the video signal generated by the video decoding step and the second bit rate video signal generated by the video signal generation step.

9. A video reproduction method according to claim 7, wherein
the bit rate calculation step includes:

a picture start point detection step of detecting
a picture start point which represents a start point of each
of the plurality of pictures;

a bit number calculation step of, in response to the
detection of the picture start point by the picture start
point detection step, counting a number of bits included
in each of the plurality of pictures;

a frame count step of counting a number of picture
start points detected by the picture start point detection
step to measure the prescribed time unit;

an addition step of, each time the picture start
point detection step detects a picture start point,
accumulatively adding the number of bits counted by the bit
number calculation step, and outputting the resulting
addition result as an average bit rate, while the
predetermined time unit is measured; and

a switch step of selecting and outputting either the
number of bits counted by the bit number calculation step
or the average bit rate obtained by the addition step.

10. A video reproduction method according to claim 7,
wherein the bit rate calculation step includes:

a picture start point detection step of detecting
a picture start point which represents a start point of each
of the plurality of pictures and a GOP start point;

a bit number calculation step of, in response to the
detection of the picture start point by the picture start
point detection step, counting a number of bits included
in each of the plurality of pictures;

a frame count step of counting a number of GOP
picture start points detected by the picture start point

detection step to measure the prescribed time unit;

an addition step of, each time the picture start point detection step detects a picture start point, accumulatively adding the number of bits counted by the bit number calculation step, and outputting the resulting addition result as an average bit rate, while the predetermined time unit is measured; and

a switch step of selecting and outputting either the number of bits counted by the bit number calculation step or the average bit rate obtained by the addition step.

11. A video reproduction method according to claim 7, wherein the bit rate calculation step includes:

a picture start point detection step of detecting a picture start point which represents a start point of each of the plurality of pictures and a GOP start point which represents a GOP start point;

a bit number calculation step of, in response to the detection of the picture start point by the picture start point detection step, counting a number of bits included in each of the plurality of pictures;

an addition step of, each time the picture start point detection step detects a picture start point, accumulatively adding the number of bits counted by the bit number calculation step, and outputting the resulting addition result as an average bit rate, until the GOP start point is detected; and

a switch step of selecting and outputting either the number of bits counted by the bit number calculation step or the average bit rate obtained by the addition step.

12. A video reproduction method according to claim 7, wherein the bit rate calculation step includes:

a picture start point detection step of detecting a picture start point which represents a start point of each of the plurality of pictures;

a bit number calculation step of, in response to the detection of the picture start point by the picture start point detection step, counting a number of bits included in each of the plurality of pictures;

a timing step of counting time to measure the predetermined time unit;

an addition step of, each time the picture start point detection step detects a picture start point, accumulatively adding the number of bits counted by the bit number calculation step, and outputting the resulting addition result as an average bit rate, while the predetermined time unit is measured; and

a switch step of selecting and outputting either the number of bits counted by the bit number calculation step or the average bit rate obtained by the addition step.